Laboratory Equipment Manufacturer
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Operation Manual

DIGITAL SHAKERS

TOS-Digital Series

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION

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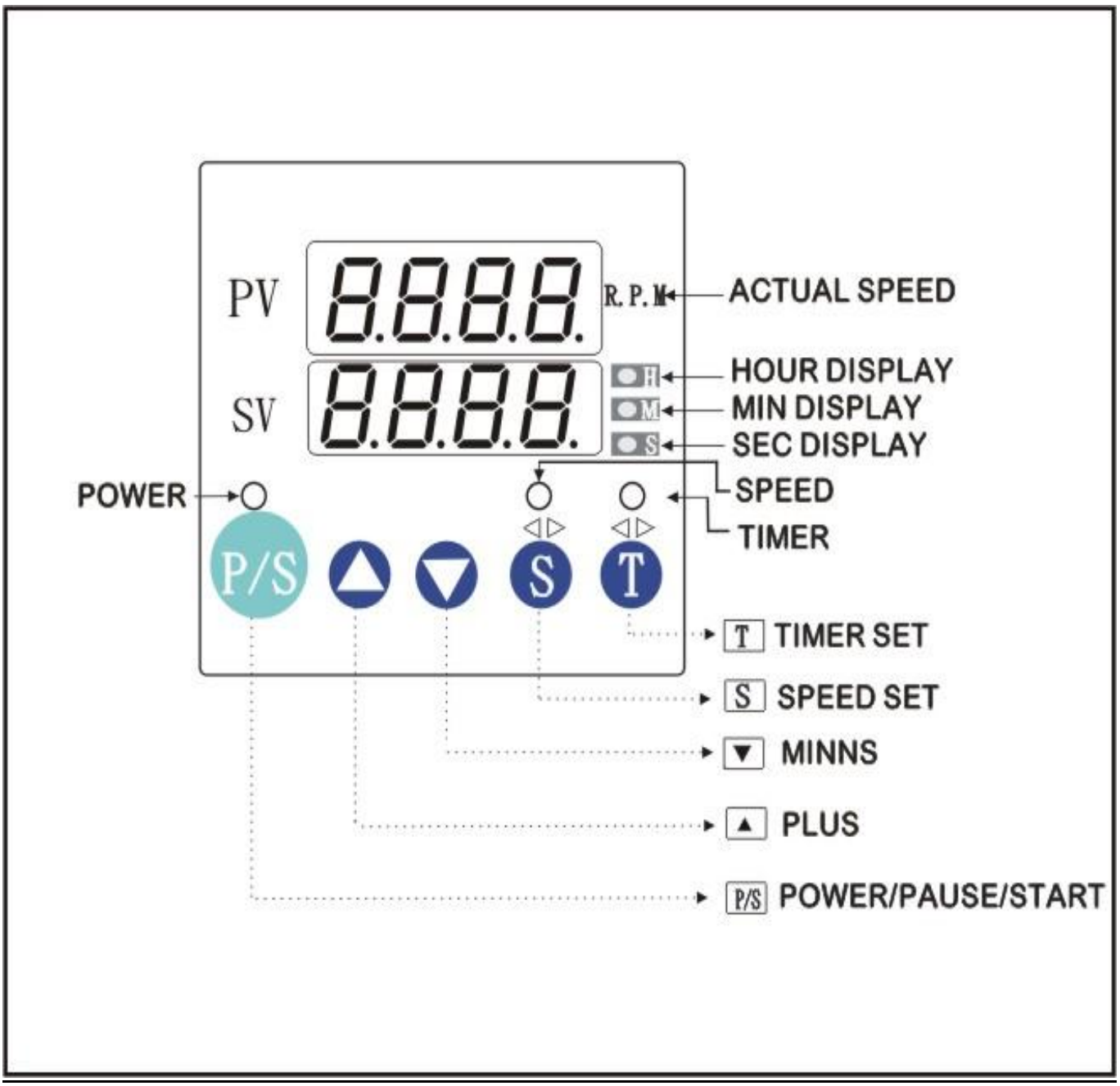
PANEL & KEY DESCRIPTION



KEY DESCRIPTION

1. P/S (Power on/off): Press P/S to suspend working, or
   Press P/S for 5 seconds to power on/off.

2. ▲ Increase key: Press it to increase parameter value.
3. ▼ Decrease key: Press it to decrease parameter value.
4. S: Set RPM (revolutions per minute) under suspend mode/ shift-key:
   At set timing mode:
   S: Parameter Key (Press for 5 seconds to enter parameter key, if display "LOCK" please ref to "T" key below to unlock it)
   Lo- set lowest speed (default value: 20 or 6RPM)

   Hi- set highest value (default value: 250 or 60 RPM)
   ** depend on different instruments

   ARR: adjust inaccuracy

5. T: Set timing (Sound alarm 10 times when time up).
   T: LOCK(Press for 5 seconds to enter "LOCK")

   …….SET – SET PARAMETER TO LOCK(default
   (please unlock if need to charge "S" key parameter value)

   ALL – SET "LOCK ALL KEYS"
   ……(At LOCK mode, except for P/S key, no key is operative. Only displays LOCK .)
   NOO: UNLOCK

6. PV: Display actual RPM (revolutions per minute)

7. SV: Display setting RPM or TIME

8.

Hour indicator Led

9. .

Minute indicator Led

10 Second indicator Led

OPERATIONS DESCRIPTION

Press P/S key for 5 seconds to power on, PV displays actual speed and SV displays setting speed. default rpm: 100

1.Set Shaking speed (at operation mode)

Press ▲ to increase gradually

Press ▼ to decrease gradually

Set RPM (revolutions per minute)

1-1.Set Shaking speed (at suspend mode)

Press “S” key, Led flash

Press ▲ to increase gradually

Press ▼ to decrease gradually

Set RPM (revolutions per minute), then press “S” to make sure.

2. Timer setting(At suspend mode):

Press T first to set timing, indicator Led on

Then press ▲, ▼ to select hour, minute, second

Press T, SV flash

Press ▲ to increase gradually

Press ▼ to decrease gradually

After setting, press T to make sure, then press P/S to start to count down.

Press S to display RPM

Press T to display time

Cancellation of time setting:

Press “S” key at suspend mode, “T” key indicator off,
enter to speed setting or press P/S to star operation,
press ▲, ▼to adjust proposed speed.

3. built-in default slow-start/suspend

4. default time: nil

MAINTENANCE & CLEANING

1. Wipe machine with wet cloth first then wipe with dry cloth again every time after using. Please clean it with neutral lotion if there is any dirt.

2. Please plug out for not using machine for a long time.

3. Please don’t put overweight article on the shelf to extend its service life.

4. When shaking, any liquid flowing from machine please wipe off immediately.

5. If possible, do not change default value to avoid parameter erro

Condition of warranty

1. One-year warranty from the date of purchase.

2. In case damage is under normal condition of use within warranty, we will repair at no charge.

3. In case any manufacturing defect is found, it will be replaced with a new one free of charge.

4. Damage caused by card lost, human negligence, misuse or acts of God during warranty, we will repair at a reasonable charge.

5. This warranty card is invalid without company stamp, and will not be re-issued in case it is lost.

WARRANTY CARD

Product Name	
Model Number.	
Serial number	
Date of purchase	
Warranty period	
	(Invalid without company stamp)